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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/694,495	10/27/2003	Robert P. Loce	D/98542D	4285	
25453	7590 07/27/2006		EXAMINER		
PATENT DOCUMENTATION CENTER			BRINICH, STEPHEN M		
XEROX CORPORATION 100 CLINTON AVE., SOUTH, XEROX SQUARE, 20TH FLOOR		ART UNIT	PAPER NUMBER		
ROCHESTER, NY 14644			2625		
			DATE MAILED: 07/27/2000	6	

Please find below and/or attached an Office communication concerning this application or proceeding.



## UNITED STATES DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION		ATTORNEY DOCKET NO.	
			EXAMINER		
	•		ART UNIT	PAPER	
				20060719	

DATE MAILED:

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**Commissioner for Patents** 

	Application No.	Applicant(s)					
	10/694,495	LOCE ET AL.					
Office Action Summary	Examiner	Art Unit					
	Stephen M. Brinich	2625					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence ac	idress				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period was preply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this o D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on							
,	action is non-final.						
<del>'=</del>	<del>-</del>						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 1-8 is/are pending in the application.							
4a) Of the above claim(s) is/are withdraw	vn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-3,5,7 and 8</u> is/are rejected.							
7)⊠ Claim(s) <u>4 and 6</u> is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examine	r						
		Examiner					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correct	• • • • • • • • • • • • • • • • • • • •	` ,	FR 1 121(d)				
11) The oath or declaration is objected to by the Ex	, , , , ,		` '				
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	)-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:							
1. Certified copies of the priority documents	s have been received.						
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the prior			Stage				
application from the International Bureau	•		•				
* See the attached detailed Office action for a list	of the certified copies not receive	ed.					
Attachment(s)							
Notice of References Cited (PTO-892)	4) Interview Summary						
2)	Paper No(s)/Mail Da 5) Notice of Informal P		O-152)				
Paper No(s)/Mail Date <u>10/27/03</u> .	6) Other:	- Approximately	· <del></del> •				

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#### DETAILED ACTION

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Trask (US 6549303).

Re claim 1, Trask discloses (column 20, lines 15-20) an image-printing method in which received image data is subjected to a trapping process in which a tag (FLAGAHT) is set, after which the data is subjected to halftoning (i.e. dithering).

Re claims 2-3, Trask discloses (column 1, lines 15-45) the use of trapping in conjunction with the printing of color separations of cyan, magenta, yellow, and black.

### Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 5 & 7-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Trask in view of Yu (US 6271936).

Re claims 5 & 7-8, Trask does not disclose the specific halftone dithering types of high-frequency halftone dithering, error-diffusion halftone dithering, and stochastic halftone dithering.

The use of high-frequency halftone dithering, errordiffusion halftone dithering, and stochastic halftone dithering
is well known in the art, as disclosed for example by Yu (column
2, lines 3-49, particularly lines 35-57). The use of the Trask
trapping arrangement in order to avoid gap and halo effects
caused by registration effects (as noted by Trask at lines 2-5
of the Abstract) in conjunction with known high-frequency
halftone dithering, error-diffusion halftone dithering, and
stochastic halftone dithering arrangements would be an expedient
obvious to one of ordinary skill in the art.

## Allowable Subject Matter

5. Claims 4 & 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in

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independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter:

Re claim 4, the art of record does not teach or suggest the recited selective trapping only if there is another color separation to be developed in conjunction with the recited trapping, tagging, and dithering arrangement.

Re claim 6, the art of record does not teach or suggest the recited application of a halftone type to tagged data different from that applied to other data in the image in conjunction with the recited trapping, tagging, and dithering arrangement.

### Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hawes et al and Kritayakirana et al disclose further examples of halftone image trapping arrangements.

8. Any inquiry concerning the contents of this communication or earlier communications from the examiner should be directed to Stephen M. Brinich at 571-272-7430.

Any inquiry relating to the status of this application or proceeding or any inquiry of a general nature concerning application processing should be directed to the Tech Center

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2600 Customer Service center at 571-272-2600 or to the USPTO Contact Center at 800-786-9199 or 571-272-1000.

The examiner can normally be reached on weekdays 8:00-5:30, alternate Fridays off.

The examiner's unit designation has been changed from "Art Unit 2624" to "Technology Division 2625" (as of March 20, 2006).

If attempts to contact the examiner and the Customer Service Center are unsuccessful, supervisor David Moore can be contacted at 571-272-7437.

Faxes pertaining to this application should be directed to the Tech Center 2600 official fax number, which is 571-273-8300 (as of July 15, 2005).

Hand-carried correspondence may be delivered to the Customer Service Window, located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

Stephen M Brinich

Examiner

Technology Division 2625

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smb

July 19, 2006